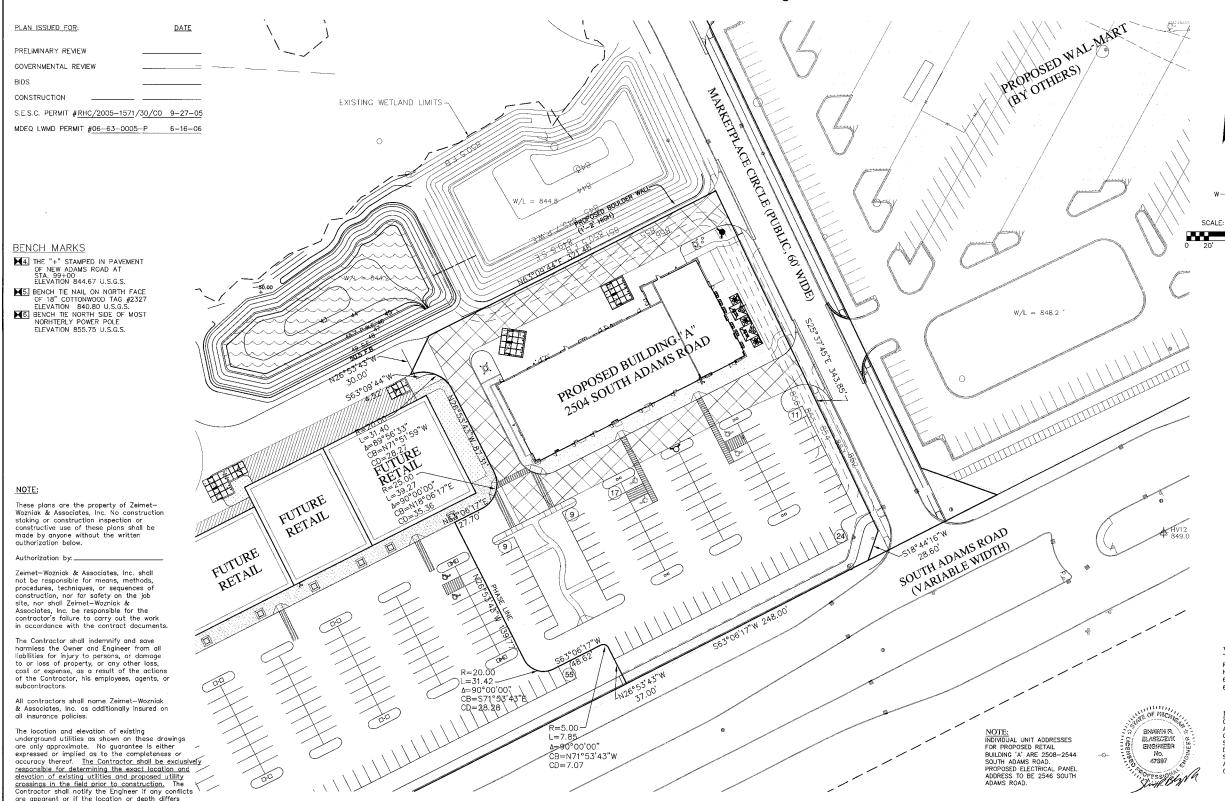
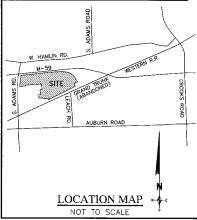
# SITE IMPROVEMENTS FOR

# PROPOSED RETAIL BUILDING "A"

# ROCHESTER HILLS, MICHIGAN





# Sheet Index

# COVER

SP-1.1 ARCHITECTURAL SITE PLAN

GRADING & SOIL EROSION CE-I

CE-2 UTILITY PLAN

STORM SEWER PROFILES CE-3 CE-4 STORMWATER MANAGMENT

CE-5

STORM DRAINAGE AREA PLAN

CE-6 PAVING & SIGNAGE PLAN

ALTA-ACSM SURVEY CE-7

# STANDARD DETAIL SHEETS

WATERMAIN DETAILS

WATERMAIN DETAILS

STORM SEWER DETAILS

EROSION CONTROL DETAILS

## RUII DING A PHASE DESCRIPTION

A PARCEL OF LAND LOCATED IN PART OF THE SOUTH-EAST 1/4 OF SECTION 30, T. 3 N., R. 11 E., CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS:

COMMENCING AT THE EAST 1/4 CORNER OF SECTION 30 AND PROCEEDING ALONG THE EAST AND WEST 1/4 LINE OF SECTION 30 S. 85°45'03" W. 942.80 FEET AND S. 32°42'01" E. 26.68 FEET AND S. 65°18'11" W. 258.97 FEET AND S. 24°35'28" E. 35.10 FEET TO A POINT ALONG THE NORTHERLY 35.10 FEET IN A POINT ALONG HIE NORTHERLY RICHT-OF-WAY OF ADAMS ROAD (VARIABLE WIDTH) AND ALONG SAID RIGHT-OF-WAY S. 63°06'17'' W. 859.04 FEET TO THE POINT OF BEGINNING, THENCE CONTINUING ALONG SAID RIGHT-OF-WAY S. 63°06'17'' W. 248.00 FEET; THENCE N. 26°53'43'' W. 37.00 FEET; THENCE 7.85 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS S.00 FEET, CENTRAL ANGLE OF A CURVE OF THE LETT, KADIOS S.00 FEET, CENTRAL ANGLE 90°00'00". AND A CHORD THAT BEARS N. 71°53'43" W. 7.07 FEET; THENCE S. 63°06'17" W. 48.62 FEET; THENCE S. 142 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, RADIUS 20.00 FEET, CENTRAL ANGLE 90°00'00", AND A CHORD THAT BEARS N. 71°53'43" W. 28.28 FEET; THENCE N. 28°53'43" W. 28.28 FEET; THENCE N. 28°53'43" W. 28.27 FEET; THENCE S. 27°7". E. 27.70 FEET; THENCE S. 29.27 FEET ALONG THE ARC OF CURVE TO THE LEFT, RADIUS 39.27 FEET ALONG THE ARC OF CURVE TO THE LEFT, RADIUS 25.00 FEET, CENTRAL ANGLE 90'90'00', AND A CHORD THAT BEARS N. 18°06'17' E. 35.36 FEET, THENCE N. 26°53'43' W. 87.31 FEET; THENCE 31.40 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 20.00 FEET, CENTRAL ANGLE 89°55'33', AND A CHORD THAT BEARS N. 71°51'59' W. 28.27 FEET, THENCE S. 63°09'44' W. 4.52 FEET; THENCE N. 26°53'43' W. 30.00 FEET; THENCE N. 63°09'44' E. 321.46 FEET; THENCE S. 25°37'45' E. 343.85 FEET; THENCE S. 32'146' R. 28.60 FEET TO THE POINT OF BEGINNING, CONTAINING 2.64 ACRES, BEING SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

# WATERMAIN QUANTITIES

RELOCATE HYDRANT 6" CL. 54 DUCTILE IRON PIPE 6" GATE VALVE & BOX 1 EA.

NOTE: QUANTITIES SHOWN ABOVE ARE FOR PERMIT PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING THE ACTUAL SCOPE OF WORK IN ACCORDANCE WITH THESE CONTRACT DOCUMENTS

# STORM SEWER QUANTITIES 4' CATCH BASIN

4 EA. 1 EA. 1 EA. 2 EA. 2 EA. 1 EA. 1 EA. 1 EA. 6' CATCH BASIN 6' OVERFLOW MANHOLE 7' CATCH BASIN B' MANHOLE 30" END SECTION 36" CMP STANDPIPE 42" END SECTION 48" END SECTION 12" CL. IV PIPE 12" CL. IV PIPE 15" CL. IV PIPE 21" CL. IV PIPE 24" CL. IV PIPE 30" CMP PIPE 36" CL. IV PIPE 42" CL. III PIPE 42" CL. IV PIPE 48" CL. IV PIPE 224 L.F. 75 L.F. 63 L.F. 43 L.F. 10 L.F. 18 L.F. 95 L.F. 318 L.F.

# ADAMS MARKETPLACE

CITY FILE 05-030.5

DATE 01/03/07 SCALE HOR: 1" = 40' VER: 1" = N/A DESIGNED BY JOB NO. 97144

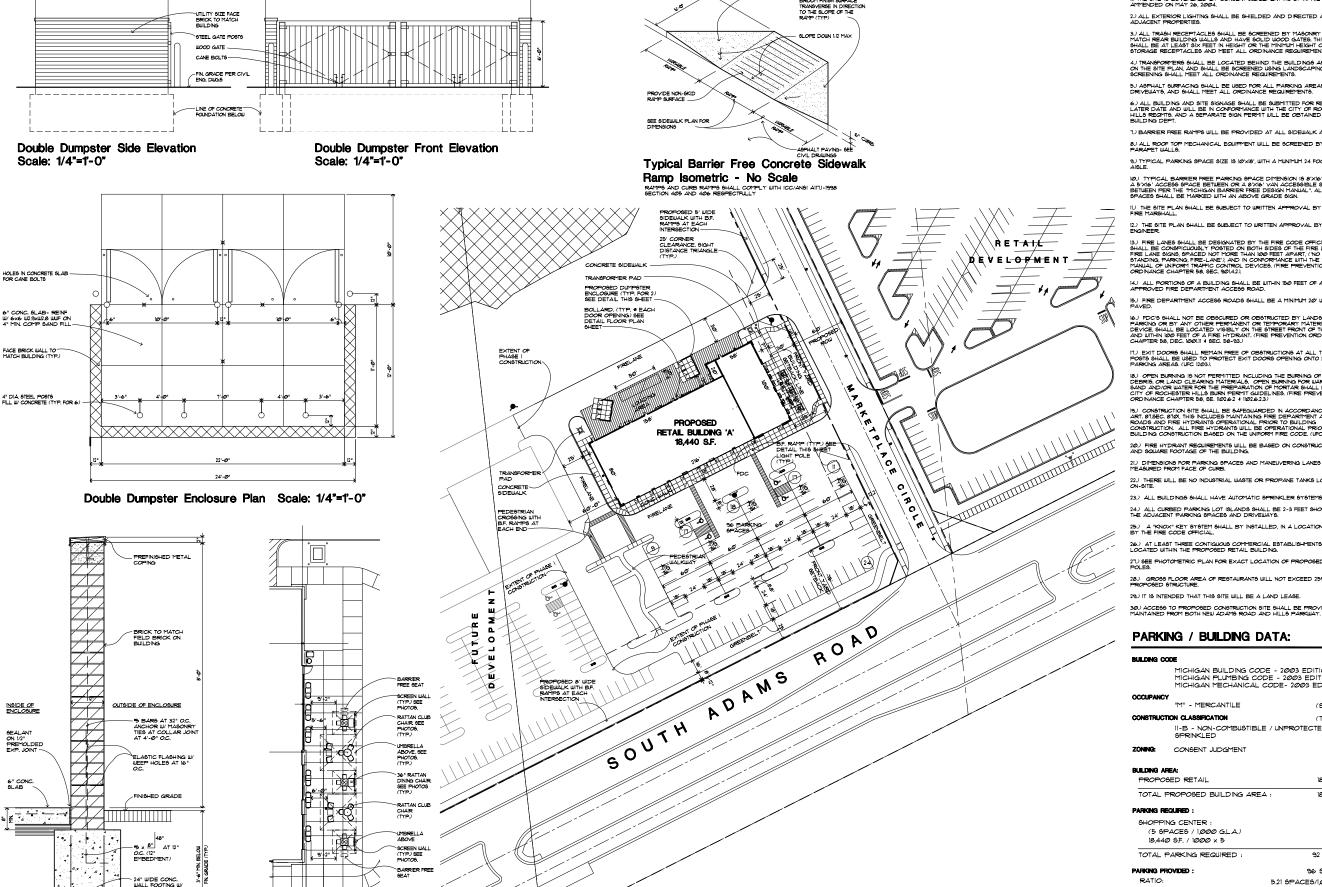
significantly from the plans.

ZEIMET WARSOCIATES Civil Engineers & Land Surveyors 40024 GRAND RIVER AVE, SUITE 100

MISS DIG SYSTEM, INC.

PROJECT SPONSOR: GRAND SAKWA PROPERTIES 28470 THIRTEEN MILE ROAD, SUITE 220 (248) 855-5500 FARMINGTON HILLS. MI

COVER PROPOSED RETAIL BUILDING "A" ROCHESTER HILLS, MICHIGAN



SITE PLAN - PHASE

GENERAL NOTES:

I.) THE SITE IS GOVERENED BY CONSENT JUDGEMENT AS OF APRIL 3, 2003 AND AMMENDED ON MAY 26, 2004.

I.) ALL EXTERIOR LIGHTING SHALL BE SHIELDED AND DIRECTED AWAY FROM ADJACENT PROPERTIES.

1.) BARRIER FREE RAMPS WILL BE PROVIDED AT ALL SIDEWALK APPROACHES.

9.) TYPICAL PARKING SPACE SIZE IS  $10^{\circ}\mathrm{kB}^{\prime}\mathrm{,}$  with A munimum 24 foot wide AISLE.

(Ø) TYPICAL BARRIER FREE PARKING SPACE DIMENSION IS 8'XI6' WITH EITHER A 5'XI6' ACCESS SPACE BETWEEN OR A 8'XI6' VAN ACCESSIBLE SPACE BETWEEN PER THE MICHIGAN BARRIER FREE DESION MANUAL!", ALL BF, SPACES SHALL BE MARKED WITH AN ABOVE GRADE SIGN.

II.) THE SITE PLAN SHALL BE SUBJECT TO WRITTEN APPROVAL BY THE CITY'S FIRE MARSHALL.

12.) THE SITE PLAN SHALL BE SUBJECT TO WRITTEN APPROVAL BY THE CITY'S ENGINEER.

(4.) ALL PORTIONS OF A BUILDING SHALL BE WITHIN 150 FEET OF AN APPROVED FIRE DEPARTMENT ACCESS ROAD.

(B,) FIRE DEPARTMENT ACCESS ROADS SHALL BE A MINIMUM 20' WIDE AND PAYED.

(I.) EXIT DOORS SHALL REMAIN FREE OF OBSTRUCTIONS AT ALL TIMES, GUARD POSTS SHALL BE USED TO PROTECT EXIT DOORS OPENING ONTO DRIVES AND PARKING AREAS, (UFC 1203).

(8) OPEN BURNING IS NOT PERMITTED INCLUDING THE BURNING OF TRASH-DEBRIS, OR LAND CLEARING MATERIALS. OPEN BURNING FOR WARMING S SAND AMDOR WATER FOR THE PREPARATION OF MORTAR SHALL BE WIT CITY OF ROCHESTER HILLS BURNI PERMIT GUIDELINES, (FIRE PREVENTION ORDNANCE CHAPTER 58, 10/262 4 (18/26253))

B) CONSTRUCTION SITE SHALL BE SAFEGUARDED IN ACCORDANCE WITH UPC NRT, 819EC, 870; THIS INCLUDES MAINTAINING FIRE DEPLARMENT ACCESS 80405 AND FIRE HYDRANTS OFFERTIONAL PRIOR TO BUILDING CONSTRUCTION ALL FIRE HYDRANTS WILL BE OFFERTIONAL PRIOR 1994) WILLIAMS CONSTRUCTION BASED ON THE UNFORM FIRE CODE, UPC 1994)

20.) FIRE HYDRANT REQUIREMENTS WILL BE BASED ON CONSTRUCTION TYPE AND SQUARE FOOTAGE OF THE BUILDING.

21.) DIMENSIONS FOR PARKING SPACES AND MANEUVERING LANES ARE MEASURED FROM FACE OF CURB.

 $22.)\,$  There will be no industrial waste or propane tanks located on-site.

24.) ALL CURBED PARKING LOT ISLANDS SHALL BE 2-3 FEET SHORTER THAN THE ADJACENT PARKING SPACES AND DRIVEWAYS.

25.) A "KNOX" KEY SYSTEM SHALL BY INSTALLED, IN A LOCATION APPROVED BY THE FIRE CODE OFFICIAL.

21.) SEE PHOTOMETRIC PLAN FOR EXACT LOCATION OF PROPOSED LIGHT POLES.

28.) GROSS FLOOR AREA OF RESTAURANTS WILL NOT EXCEED 25% WITHIN THE PROPOSED STRUCTURE.

29.) IT IS INTENDED THAT THIS SITE WILL BE A LAND LEASE.

30.) ACCESS TO PROPOSED CONSTRUCTION SITE SHALL BE PROVIDED AND MAINTAINED FROM BOTH NEW ADAMS ROAD AND HILLS PARKWAY.

# PARKING / BUILDING DATA:

MICHIGAN BUILDING CODE - 2003 EDITION MICHIGAN PLUMBING CODE - 2003 EDITION

CONSTRUCTION OF ASSISTENTION

II-B - NON-COMBUSTIBLE / UNPROTECTED SPRINKLED

CONSENT JUDGMENT

PROPOSED RETAIL

18,440 S.F. / 1000 x 5

TOTAL PARKING REQUIRED :

96 SPACES 5.21 SPACES/I,000 S.F.)

18,44Ø S.F.

18,44Ø S.F.

92 SPACES



28470 THIRTEEN MILE ROAD SUITE 200 FARMINGTON HILLS MI 48334

REVISED II JULY 06 REVISED I2 JULY 06 SITE PLAN REVIEW 18 AUG. 06 SITE PLAN REVIEW 25 SEPT. 06 EVISED 19 OCT Ø6 SITE PLAN REVIEW | FEB. 01

Marketplace Adams



32500 TELEGRAPH ROAD **SLITE 250** 

H 248.540.7700 FX 248.540.271

drawing:

**ARCHITECTURAL** SITE PLAN PHASE I

DO NOT SCALE DRAWING

11 JULY 08 drawn: checked: S.V. M.D.

file number: 02053

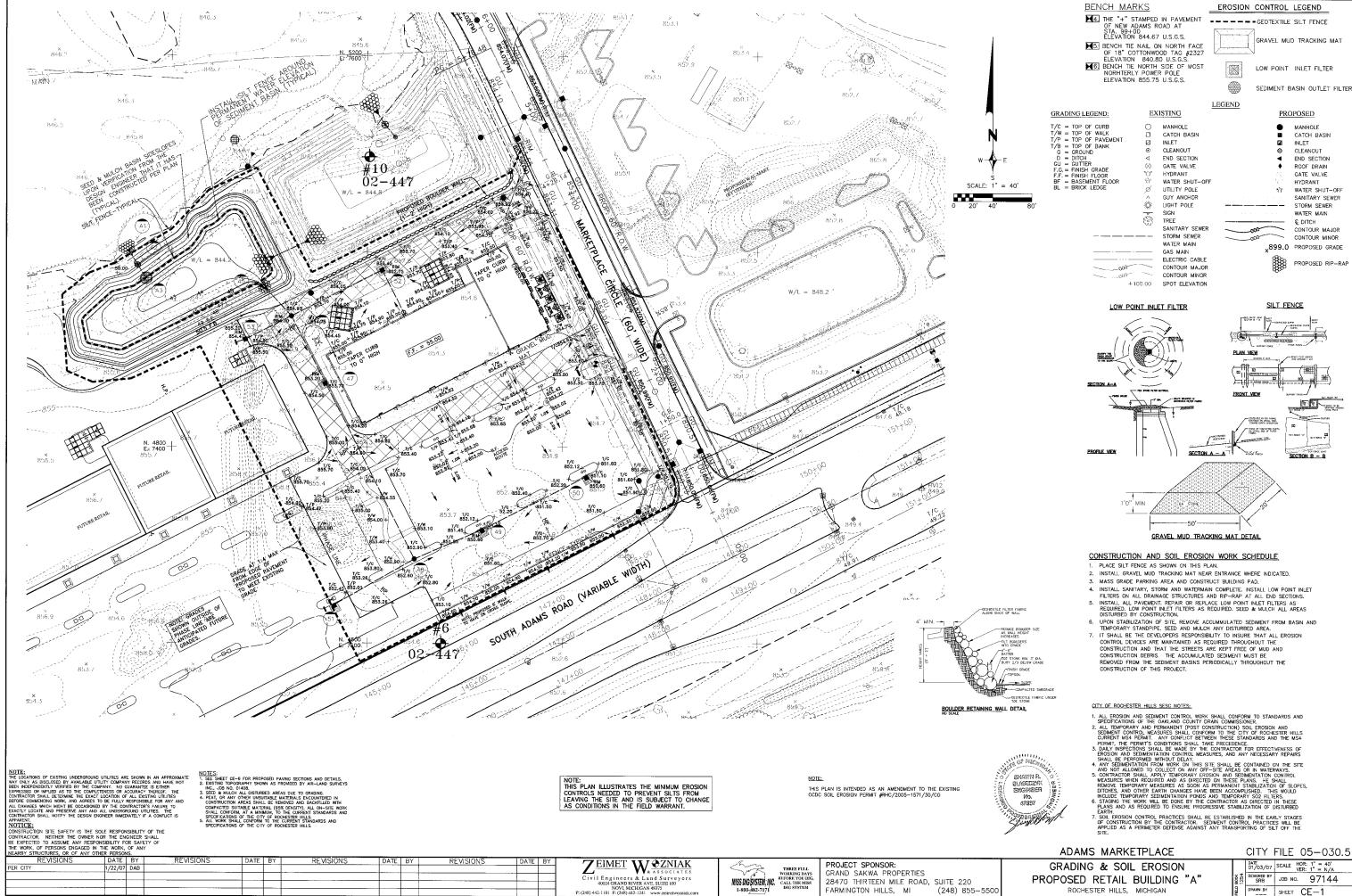
TOTAL SEATS PROVIDED: 34 TOTAL BARRIER FREE SEATS: 2

SCALE: 1/16" = 1'-0"

**OUTDOOR SEATING AREA PLAN** 

**Dumpster Enclosure/Screen Wall Section** 

NOT TO BE USED AS CONSTRUCTION DRAWINGS



▼ ▼ & ASSOCIATES
Civil Engineers & Land Surveyors
40024 GRAND RIVER AVE, SUITE 100
NOVI, MICHIGAN 48375
: (248) 442-1101 www.zeimetwozniak.

PROPOSED RETAIL BUILDING "A'

ROCHESTER HILLS, MICHIGAN

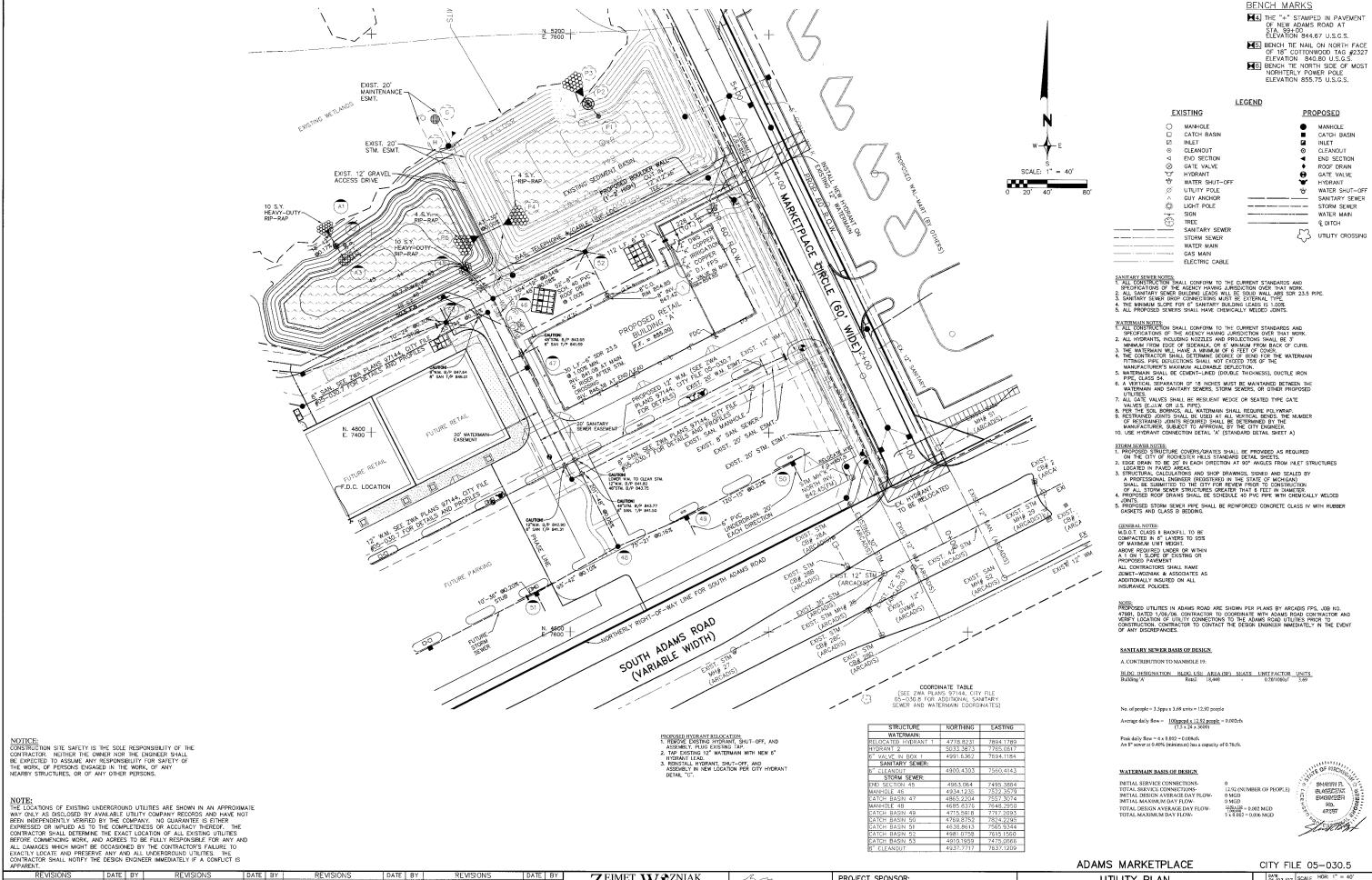
28470 THIRTEEN MILE ROAD, SUITE 220

(248) 855-550

FARMINGTON HILLS, MI

SRB JOB NO. 97144

DRAWN BY SHEET CE-1



NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE
CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL
BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF
THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY
NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

REVISE WATER SERVICES

ZEIMET W & ZNIAK
Civil Engineers & Land Surveyors
40024 GRAND RIVER AVE, SUTTE 100
NOVI. MICHIGAN 48375
9: (248) 442-110 F. (248) 442-121 www.zelmetwozniak.or

MISS DIGSTSTEM, INC.

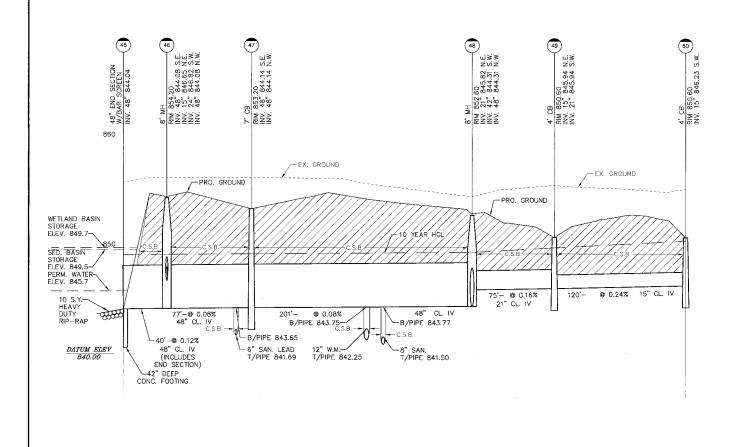
1.800.482.7171

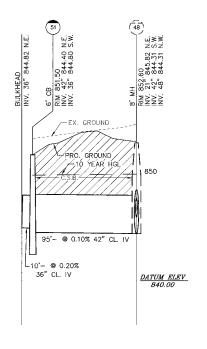
THREE FULL WORKING DAYS BEFORE YOU DIG CALL THE MISS DIG SYSTEM

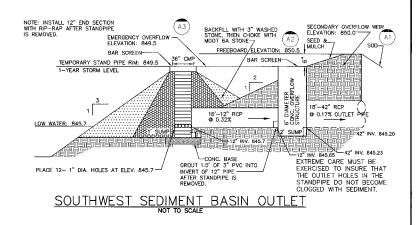
PROJECT SPONSOR:
GRAND SAKWA PROPERTIES 28470 THIRTEEN MILE ROAD, SUITE 220 FARMINGTON HILLS, MI (248) 855 (248) 855-5500

UTILITY PLAN PROPOSED RETAIL BUILDING "A" ROCHESTER HILLS, MICHIGAN

DATE 01/03/07 SCALE HOR: 1" = 40' VER: 1" = N/A DESIGNED BY JOB NO. 97144 DRAWN BY SHEET CE-2

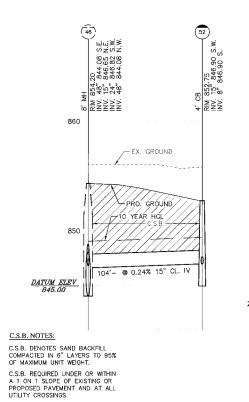




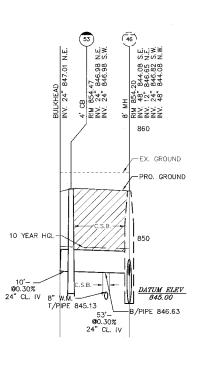


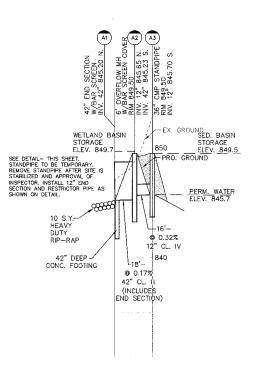
# NOTE:

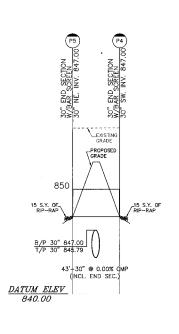
- PROPOSED STORM SEWER TO HAVE CLASS B BEDDING MINIMUM. THE STARTING ELEVATION FOR THE HYDRAULIC GRADE LINE IS THE DESIGN HIGH WATER ELEVATION OF THE SEDIMENT BASIN. CONTRACTOR SHALL HIRE A LICENSED STRUCTURAL ENGINEER TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS FOR APPROVAL BY THE CITY OF DRAINAGE STRUCTURES LARGER THAN 6 FEET IN DIAMETER.

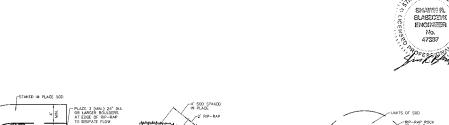


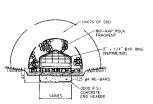
CAUTION!!
EXISTING GAS MAINS AND EXISTING UTILITIES ARE SHOWN
PER BEST AVAILABLE RECORDS, CONTRACTOR SHALL VERIFY
MAIN LOCATIONS & ELEVATIONS IN FIELD AT ALL PROPOSED
CROSSINGS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL
HAVE A REPRESENTATIVE OF THE PIPELINE OR UTILITY CO.
PRESENT WHEN CROSSINGS ARE MADE.











NOTE: BAR SCREEN SHALL BE GALVENIZED. PROFILE VIEW END SECTION AND BAR SCREEN DETAIL

END\_VIEW

# CITY FILE 05-030.5 ADAMS MARKETPLACE

ZEIMET W & ZNIAK
Civil Engineers & Land Surveyors
40024 GRAND RIVER AVE, SUTE 100
NOVI, MICHIGAN 48375
P. (248) 442-110 F. (248) 442-1214 www.zsimetwozniak.e

MISS DIGSTSTEM, INC.

1.800-482-7171

THREE FULL WORKING DAYS BEFORE YOU DIG CALL THE MISS DIG SYSTEM

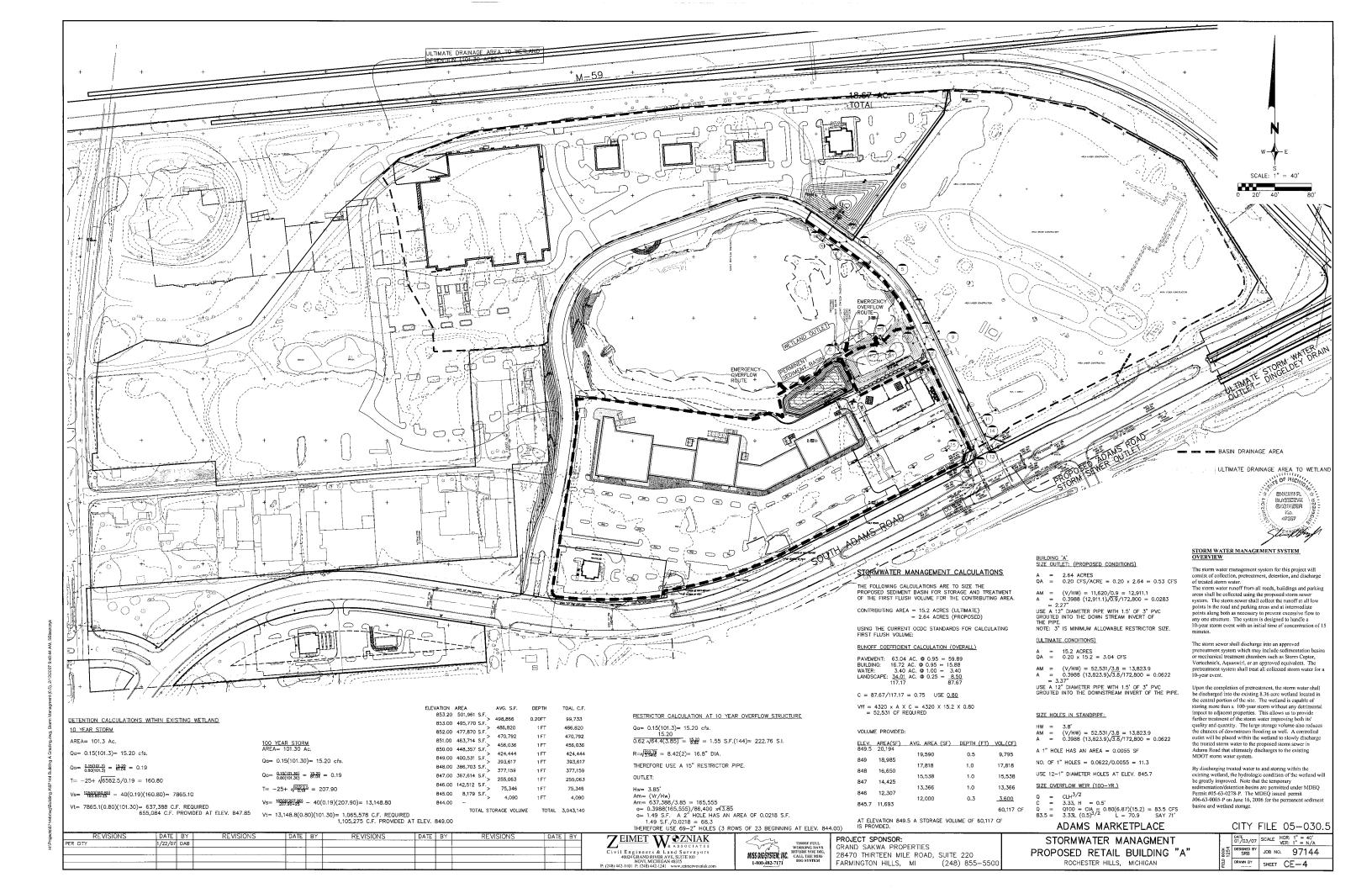
PROJECT SPONSOR: GRAND SAKWA PROPERTIES 28470 THIRTEEN MILE ROAD, SUITE 220 FARMINGTON HILLS, MI

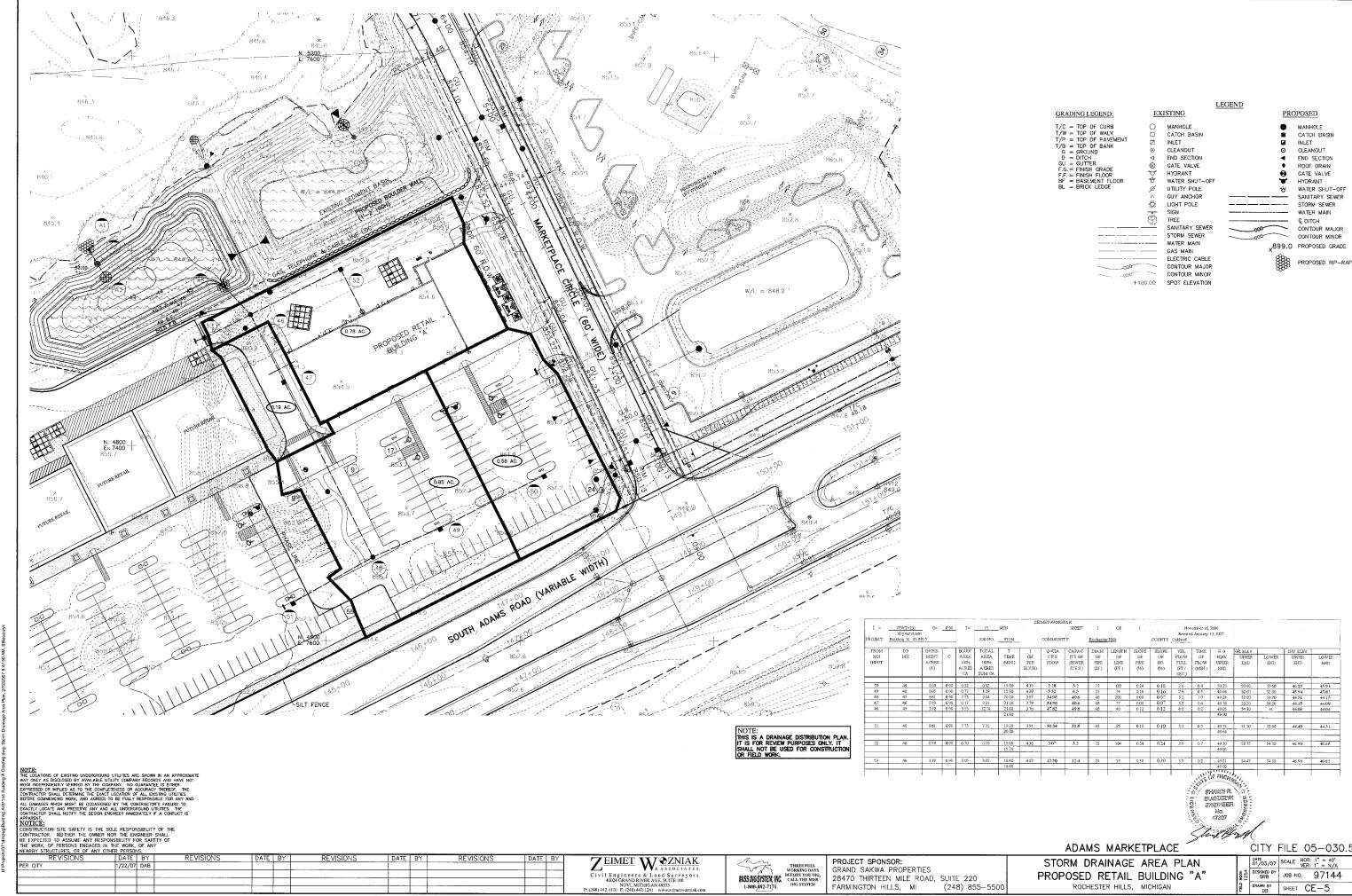
STORM SEWER PROFILES

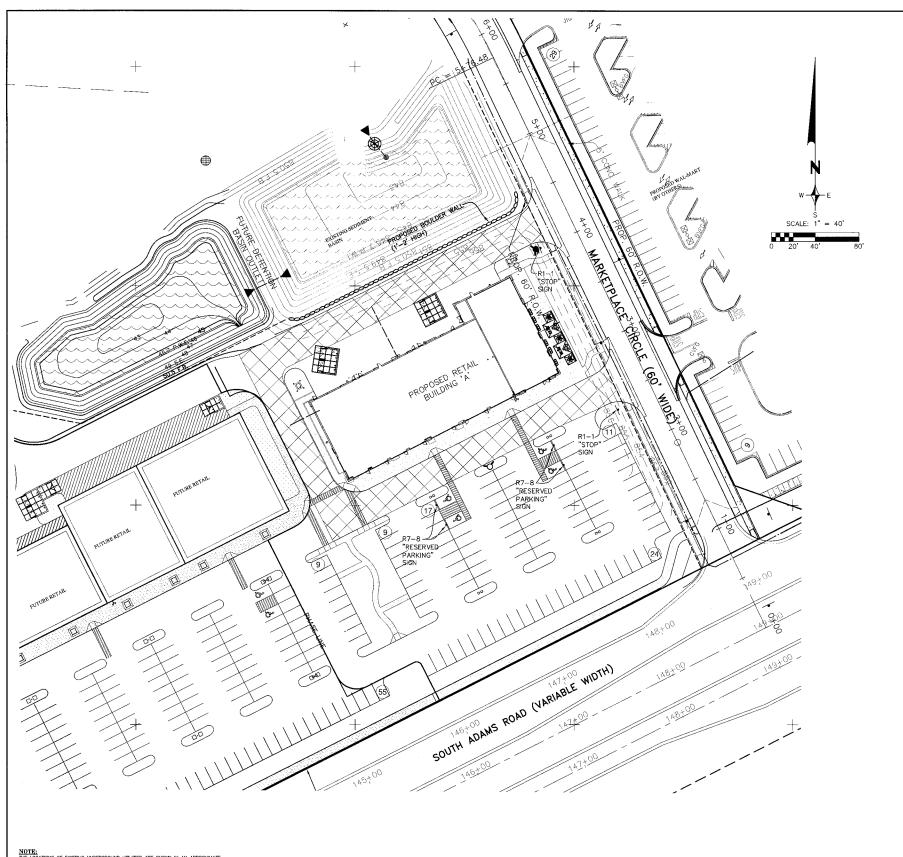
_		
	DATE 01/03/07	SCALE HOR: 1" = 40' VER: 1" = 4'
FIELD BOOK 1254	DESIGNED BY SRB	JOB NO. 97144
	DRAWN BY	SHEET CE-3

PLAN VIEW

PROPOSED RETAIL BUILDING "A" ROCHESTER HILLS, MICHIGAN







RT-8

RESERVED

PARKING

R.L.E

ONE:

WAN

ACCESSIBLE

Note: If this installation is nace around periphery of parking lot, the post is nace around periphery of parking lot, the post is noted to a removement of a should be a more acrond and are acceptable and a more acrond and are acceptable and a more acrond and are acceptable and a more acceptable a

HEAVY DUTY PAVEMENT (TRUCK ROUTE)

1.5"M.D.O.T. HMA 5E3, 20AA 2.0"M.D.O.T. HMA 3C, 20AA 2.5"M.D.O.T. HMA 3C, 20AA 10"M.D.O.T. 21AA SUBGRADE COMPACTED TO 95

SUBGRADE COMPACTED TO 95%
MAXIMUM UNIT DENSITY.
USE PG 64-22 BINDER FOR
PAVEMENT MIXES.

# STANDARD PAVEMENT (PARKING)

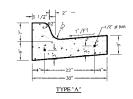
1.5"M.D.O.T. HMA 4C, 20AA
2.5"M.D.O.T. HMA 3C, 20AA
10"M.D.O.T. 21AA
SUBGRADE COMPACTED TO 95%
MAXIMUM UNIT DENSITY.
USE PG 64—22 BINDER FOR
PAVEMENT MISS.
(PAVEMENT SECTION SUBJECT TO
RECOMMENDATION OF A QUALIFIED
GEOTECHNICAL ENGINEER)

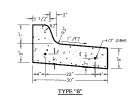
# DUMPSTER PAD

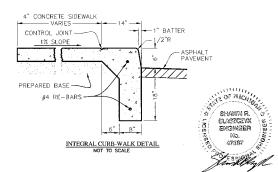
6" REINFORCED CONCRETE ON 6" COMPACTED 22A SUBGRADE COMPACTED TO 95% MAXIMUM UNIT DENSITY.

# SIDEWALKS

4" NON-REINFORCED CONCRETE ON 4" COMPACTED SAND. SUBGRADE COMPACTED TO 95% MAXIMUM UNIT DENSITY.







# ADAMS MARKETPLACE

CITY FILE 05-030.5

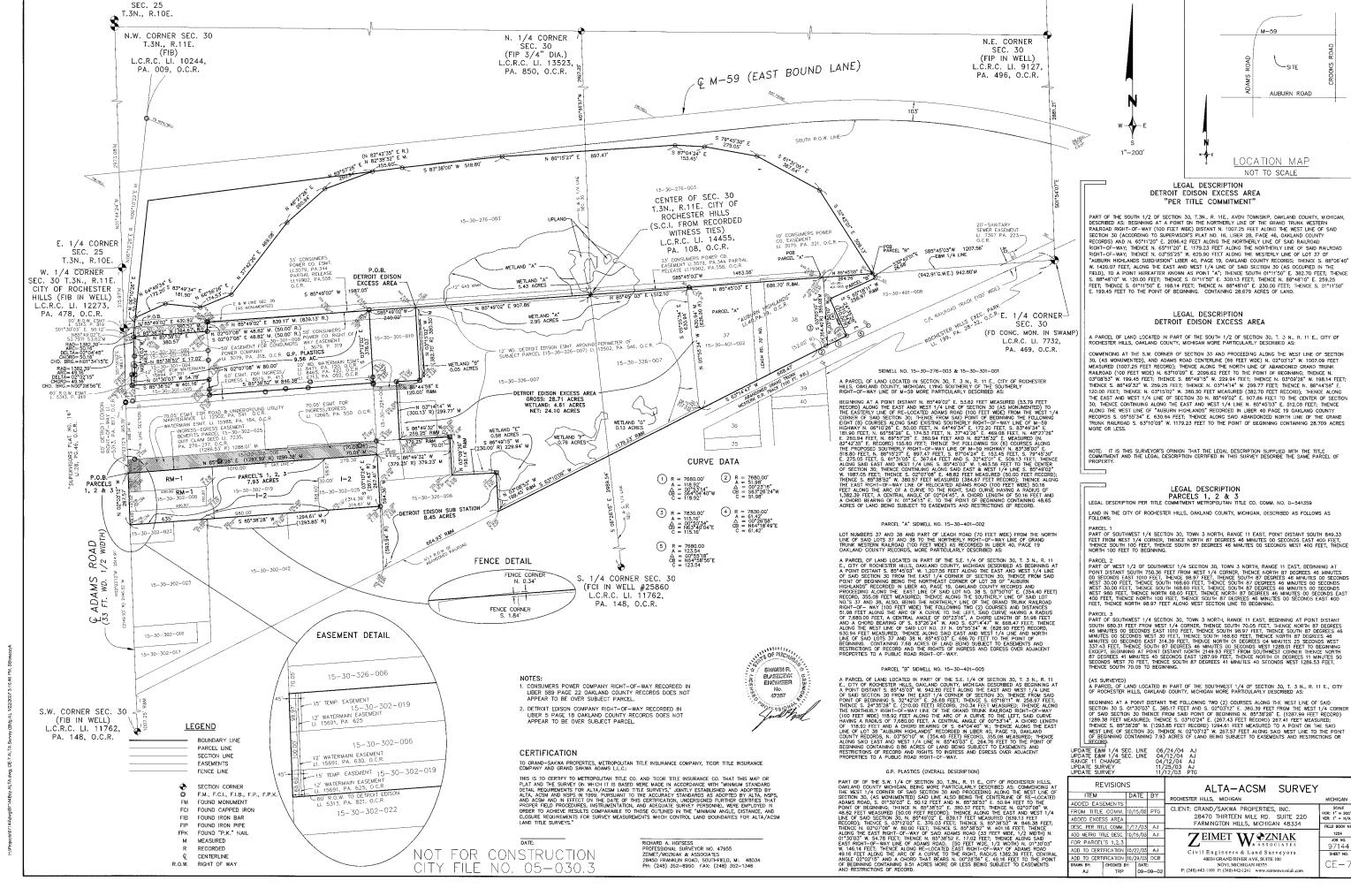
| DATE | 01/03/07 | SCALE | HOR: 1" = 40' | VER: 1" = N/A

SRB JOB NO. 97144

DRAWN BY SHEET CE-6

NS DATE BY REVISIONS DATE BY R

NOTICE:
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NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.



FIELD BOOK NO

1254 J0B NO. 97144

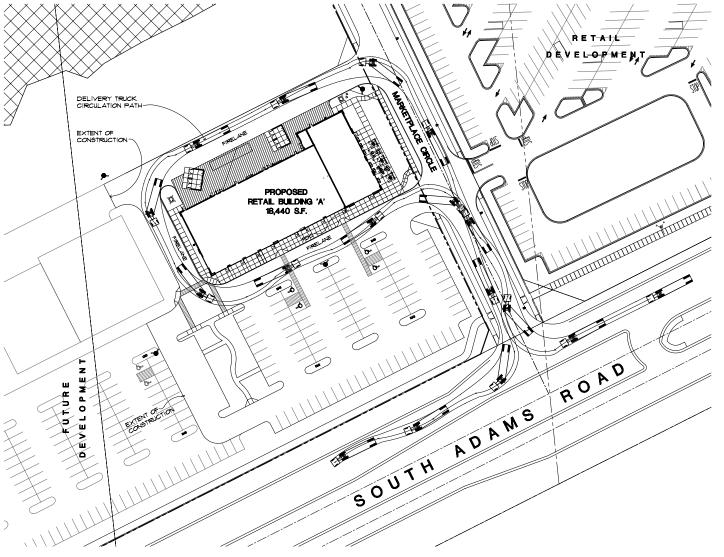
SHEET NO.

N.E. CORNER

# Retail A\SPA - 07-0221\02053 COVER 07-0221.dwg, 2/23/2007 G:\Drawings\02053\02 Schem\SPA -

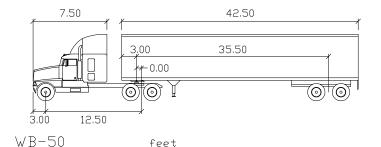
# Adams Marketplace

# PROPOSED RETAIL BUILDING 'A' Rochester Hills, Michigan



# SITE DIAGRAM - PHASE I

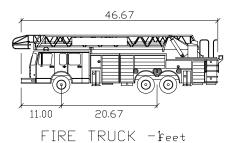
: 17.70



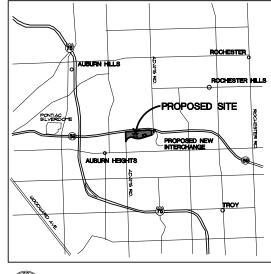
Tractor Width Trailer Width Tractor Track

Trailer Track

feet
: 8.00 Lock to Lock Time
: 8.50 Steering Angle
: 8.00 Articulating Angle



Width : 8.50
Track : 8.50
Lock to Lock Time: 6.00
Steering Angle : 42.50



LOCATION MAP

NOT TO SCALE

CIVIL ENGINEER:

REVISED II JULY 06
REVISED II JULG 06
REVISED II JULG 06
SITE FLAN REVISU II JULG 06
REVISED II JULG 06
REVISED II JULG 07
REVISED II JULG 08
REVI

Adams Marketplace

ROGVOY R C H I T E C T S

32500 TELEGRAPH ROAE SUITE 250 BINGHAM FARMS, MICHGA 48025-2404

PH 248.540.7700 FX 248.540.2710 ARCHITECTSGROQVOY.COM

drawing:

COVER PHASE 1

DO NOT SCALE DRAWN

leaue date: 11 JULY Of drawn: S.V. checked: M.D. approved: M.D.

file number: 0205

sheet:

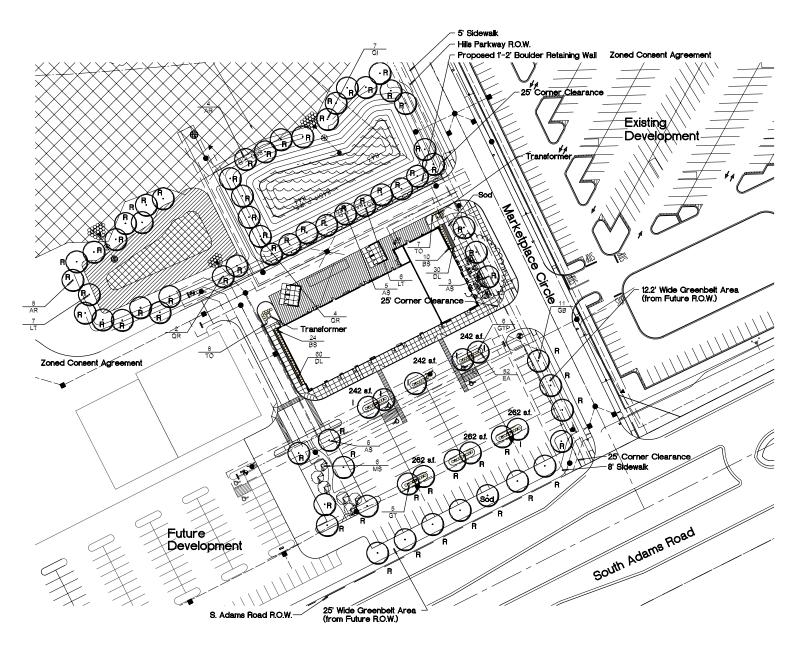
SP-1(

ZEIMET / WOZNIAK AND ASSOC. 28470 THIRTEEN ROAD, SUITE 200 FARMINGTON HILLS, MICHIGAN 48334 (248) 855-5500 CONTACT: GARY COOPER 40024 Grand River Avenue, Suite 100 Novi, Michigan 48375 (248) 442-1101 CONTACT: RICK HOFSES LANDSCAPE ARCHITECT: ARCHITECT: ROGVOY ARCHITECTS ALLEN DESIGN L.L.C. 32500 TELEGRAPH ROAD SUITE 250 BINGHAM FARMS, MI 48025 (248)540-7100 CONTACT: MARK DRANE, A.I.A. 551 CARPENTER NORTHVILLE, MICHIGAN 48161 (248) 461-4668 CONTACT: JIM ALLEN SHEET INDEX: SP-3.1 LANDSCAPE PLAN & DETAILS SITE PHOTOMETRIC PLAN SP-3.3 IRRIGATION PLAN SP-4.1 FLOOR PLAN

OWNER:

ROCHESTER HILLS MARKETPLACE

BUILDING ELEVATIONS



NOTES:

DO NOT PRUNE TERMINAL LEADER. PRUNE ONLY DEAD OR BROKEN BRANCHES.

REMOVE ALL TAGS, STRING, PLASTIC AND OTHER MATERIALS

TREE PIT SHALL BE 3 TIMES THE SIZE OF THE ROOT BALL

EVERGREEN TREE PLANTING DETAIL

MOUND TO FORM 3" EARTH SAUCER

-REMOVE ALL NON-BIODEGRADABLE MATERIALS FROM THE ROOTBALL. CUT DOWN WIRE BASKET AND FOLD DOWN ALL BURLAP FROM 1/3 OF ROOTBALL

PLANTING MIX AS SPECIFIED

# Planting Zone A

Landscape Summary Parking Lot Landscaping Spaces Shown Landscape Area Required (150 s.f. per 10 Spaces) Landscape Area Shown



4,244 s.f. of Plants for 1 to 3 Feet of Water Plants Shall be Placed 18" o.c. and Planted in Small Colonies of Like Plants

Bur Reed Roots 300 Roots 300 Roots Cattail Roots
River Bulrush Roots
Softstem Bulrush Roots Sweet Flag Roots 300 Tubers Wapato Duck Potato Tubers 300 Tubers

3"-6" of Topsoil or Wetland Mulch Shall be Placed in this Area.

1,512 s.f.+

6 Trees

₹6 Trees

\* As measured from the back of curb and Excluding Sidewalks

temporary detention pond and has been recently mass

# Planting Zone B



8,151 s.f. of Wet Meadow Plants 28 lbs. of Seed Planted at the Rate of 150 lbs. per Acre

The Seed Mix Shall Include:

Bluejoint Grass Marsh Milkweed Prairie Cord Grass Soft Rush Torrey's Rush Water Plantain Woolgrass Creeping Spike Rush Flowering Rush Great Blue Lobelia

3"-6" of Topsoil or Wetland Mulch Shall be

Placed in this Area.

and vergroen the ana be passed as least or iron the hearest overtread are and at least of the other hearest underground utility.

No tree or shrule may be planted within the triangular area formed at the hierarction of any after the planted that the triangular area from the point of interaction. No tree or shrule may be planted with he triangular area formed all he hierarction of any otherway with a public objects, all a delines along each the of 16° from their point it interaction. Price approved in required to plant any tree or shrule in the public right-of-way.

Price approved in required to plant any tree or shrule in the public right-of-way.

No substitution or changes of boots or or plant types will be made without the control of the displanted power of the control of the displanted power of the control of the displanted power of the control o

The Contractor shall not wilkly proceed with cor that unknown obstructions and/or grade different immediately brought to the attent.
Architect. The Contractor shall as to failure to give such notification.

Overhead Line Statement:

Loading Area Statement: Proposed Landscaping and/or Walls Shell Adequately Screen Loading Areas from Public I

9. The coverage anglor the City of Rochester His Landscape Architect shall right, at any steps of the installation, to reject only work or meterial that doe the requirements of the plane or specifications.
10. Replacement Horse may not be planted within the city line of existing trees.
11. Threes must be at least 10' from underground utilities and 10' from overhead utilities.
2. Threes may not be planted within 4' of any property line.

# PLANT LIST

araded.

Trees Required

Trees Shown

(1 Tree per 300 s.f.)

**Environmental Statement** No natural features exist. This site is currently a

sym.	qty.	botanical name	common name	caliper	spacing	root	height		price	total
Parkin	g Lot Is	sland Trees								
GTP	6	Gleditsia triacanthos var. Inermis	Honeylocust	3.0"	as shown	B&B		\$	425.00	\$ 2,550.00
							Sub Tota	ı		\$ 2,550.00
		t Trees								
AR	12	Acer rubrum	Red Maple	3.0"	as shown	B&B		\$	425.00	\$ 5,100.00
A\$	14	Acer saccharum 'Majesty'	Sugar Maple	3.0"	as shown	B&B		\$	425.00	\$ 5,950.00
GB	11	Ginko biloba	Ginko	3.0"	as shown	B&B		\$	425.00	\$ 4,675.00
GT	5	Gleditsia triacanthos var. Inermis	Honeylocust	3.0"	as shown	B&B		\$	425.00	\$ 2,125.00
LT	13	Liriodendron tulipifera	Tulip Tree	3.0"	as shown	B&B		\$	425.00	\$ 5,525.00
QI	7	Quercus imbricaria	Shingle Oak	3.0"	as shown	B&B		\$	425.00	\$ 2,975.00
QR	6	Quercus rubra	Red Oak	3.0"	as shown	B&B		\$	425.00	\$ 2,550.00
	68	trees, 136 credits					Sub Tota	ı		\$ 28,900.00
Genera	al Plan	tings								
BS	£ 34 }	βuxus microphylla 'Wintergreen'	Wintergreen Boxwood		as shown	B&B	24"	\$	45.00	\$ 1,530.00
DL	ر90 ځ	Hemerocallis 'Stella D'Oro'	Stella D'Oro Day Lilly		Full, we	ell roote	ed 1 gal.	\$	15.00	\$ 1,350.00
EΑ	52	Euonymus alta 'Compact'	Compact Burning Bush		as shown	B&B	30"-36"	\$	50.00	\$ 2,600.00
M\$	6	Malus 'Spring Snow'	Spring Snow Crab	2.0"	as shown	B&B		\$	200.00	\$ 1,200.00
TO	15	Thuja occidentalis 'Emerald Green"	Emerald Green Arbovitae		as shown	B&B	6'	\$	175.00	\$ 2,625.00
	1,516	Kentucky Blue Grass, (S.Y.)						\$	4.00	\$ 6,064.00
	1,372	Detention Pond Plantings						\$	5.00	\$ 6,860.00
							Sub Tota	ı		\$ 22,229.00

# Seal:



ALLEN DESIGN

557 CARPENTER . NORTHVILLE, MI 48167 248.467.4668 • Fax 248.349.0559

Email: jca@wideopenwest.com

Landscape Plan

Project:

# Adams Marketplace Retail Building A Rochester Hills, Michigan

# Prepared for:

Revised per Client

Grand Sakwa 28470 Thirteen Mile Road, Suite 220 Farmington Hills, Michigan 48334 248.855.5500

Revision:	Issued:			
Site Plan	August 18, 2006			
Revised per City	September 25, 200			
Revised per City	October 20, 2006			

January 31, 2007

Job Number:

06-022

Checked By: Drawn Bv



1"=50"

Sheet No.

plant materials shall conform to type stated on the plant list. Sizes be the intrinsin stated on the plant list or larger. All measurements shall be in returned with the latest edition of the "AAN. Standards for nursery stock."

LANDSCAPE REQUIREMENTS The work shall consist of providing all necessary materials, labor, warrants, looks and automation required for the completion as shown on the drawing

Sol shall be free from clay lumps, owerse earnd, pile foreign materials. Seed into the bries from clay lumps, owerse earnd, pile foreign materials. Seed into shall consist of the following types and pr Kenflucky Blue Grase - "BeronyChenladelphi" 60%. Cheeting Cheeting Feedure 16%. Cresping Read Feedure 16%. Perennial Rys Grase 10%.

SHRUB PLANTING DETAIL

SCARIFY SUBGRADE

UNDISTURBED SOIL

Not to be Used as Construction Drawings

DECIDUOUS TREE PLANTING DETAIL

TREE PIT SHALL BE 3 TIMES THE SIZE OF THE ROOT BALL.

REMOVE ALL TAGS, STRING, PLASTIC AND OTHER MATERIALS

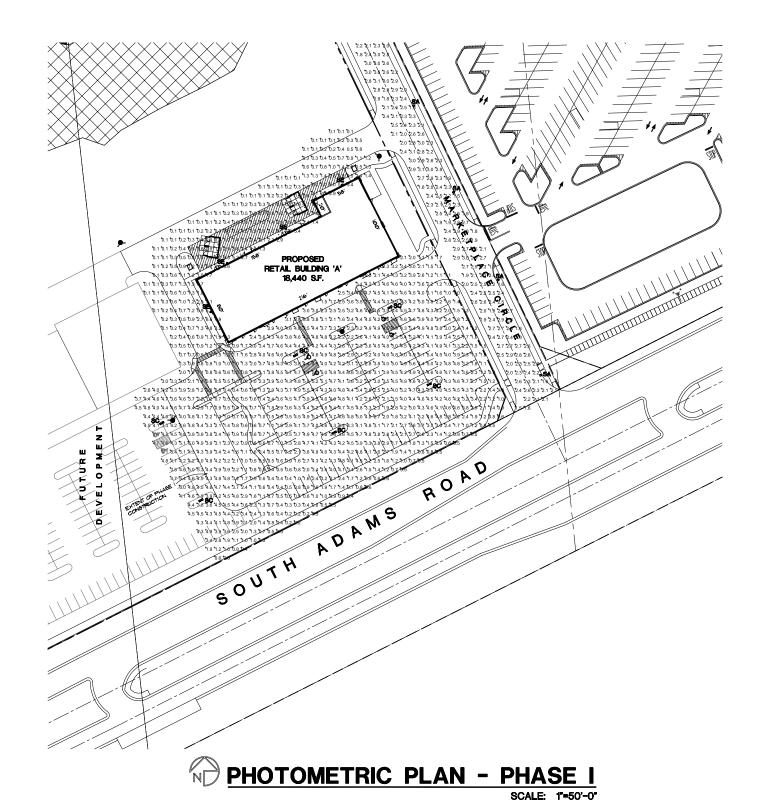
DO NOT PRUNE TERMINAL LEADER PRUNE ONLY DEAD OR BROKEN BRANCHES.

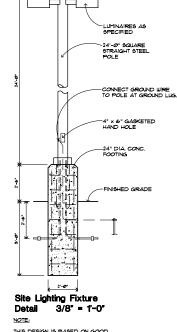
REMOVE ALL TAGS, STRING, PLASTIC AND OTHER MATERIALS

-MULCH 4" DEPTH W/ FINELY SHREDDE HARDWOOD BARK. MULCH SHALL BE NATURAL IN COLOR. LEAVE 3" CLEAR AROUND BASE OF TREE.

MOUND TO FORM 3" EARTH SAUCER

SP-3.1



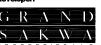


STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
parking/retail drive	+	2.7 fc	6.6 fc	0.1 fc	66.0:1	26.5:1
Ring Road	+	2.3 fc	4.6 fc	0.3 fc	15.3:1	7.7:1

LUMINAIRE SCHEDULE									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
Ģ	SA	25	MSVA0400HFPx3- GS	MAGNUSQUARE - MSV SERIES - ARCHITECTURAL REFL: SPECULAR ALUMINUM ENCL: CLEAR, FLAT GLASS	400W MET. HAL. ED 37, CLEAR	HP08643.IES	40000	0.81	460
0	SB	1	MSVA0400HFPx3- GS	MAGNUSQUARE - MSV SERIES - ARCHITECTURAL REFL: SPECULAR ALUMINUM ENCL: CLEAR, FLAT GLASS	400W MET. HAL. ED 37, CLEAR	HP08643.IES	40000	0.81	920
0	sc	6	MSVA0400H-FWx- x	MAGNUSQUARE - MSV SERIES - ARCHITECTURAL REFL: SPECULAR ALUMINUM ENCL: CLEAR, FLAT GLASS	400W MET. HAL. ED 37, CLEAR	HP08645.IES	40000	0.81	920
Ô	SE	3	NK2-H25-H3-F	NEWARK 2 SQUARE AREA LIGHT TYPE III REFLECTOR CLEAR FLAT GLASS LENS	250W CLEAR ED28 METAL HALIDE, HORIZONTAL POSITION	L4903NKP.ies	20000	0.81	250

- SEE LUMINAIRE LOCATIONS FOR MOUNTING HEIGHTS.
   SEE LUMINAIRE SCHEDULE FOR LIGHT LOSS FACTOR.
   CALCULATIONS ARE SHOWN AT GRADE

THE LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONTROLLED CONTROLLED CONTROLLED ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURERS LUMINAIRE ME YVARY



28470 THIRTEEN MILE ROAD SUITE 200 FARMINGTON HILLS, MI 48334

# NOT TO BE USED AS CONSTRUCTION DRAWINGS

REVISED II JULY 06 REVISED 12 JULY 06 SITE PLAN REVIEW 18 AUG. 06

Adams Marketplace

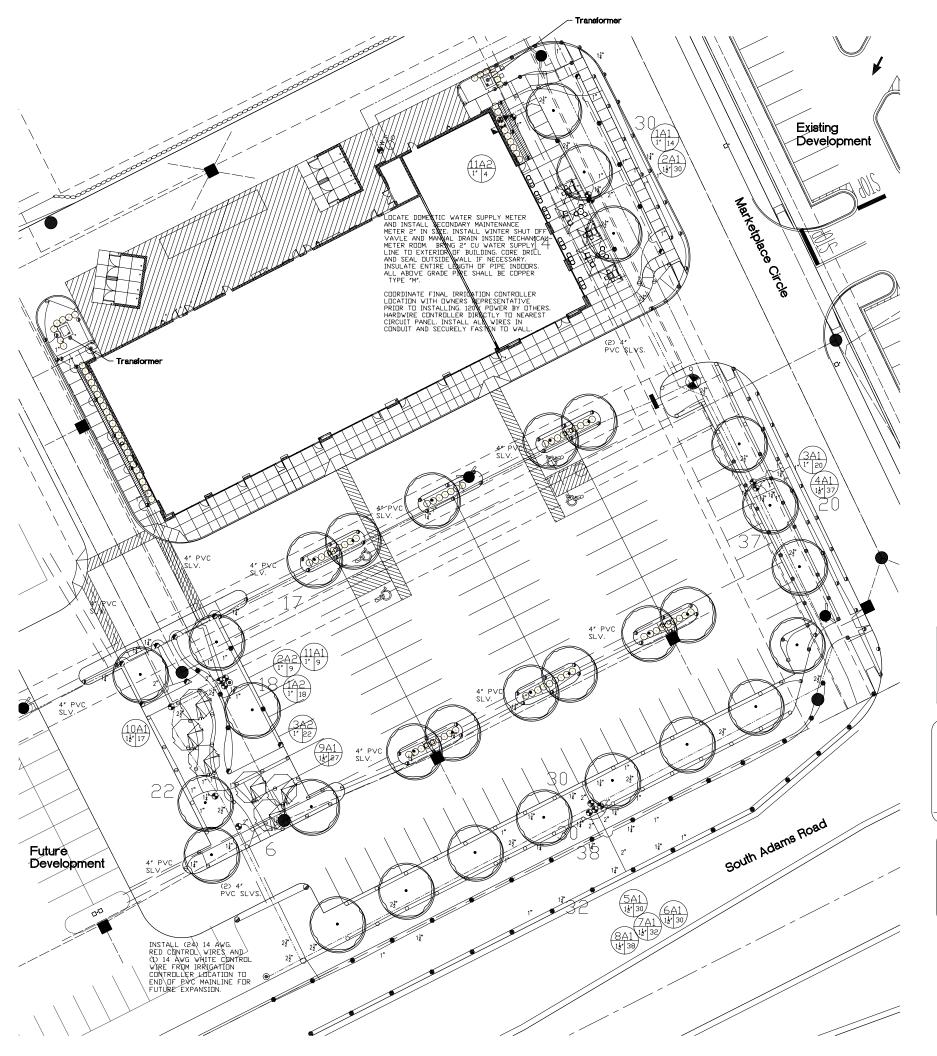
ROGVOY

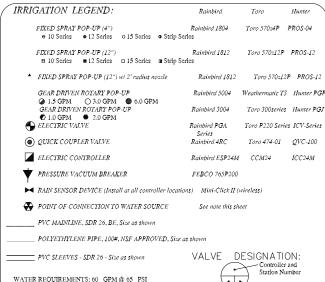
**SLITE 250** 

drawing:

**PHOTOMETRIC** PLAN

11 JULY 06 drawn: checked:





CONTRACTOR TO VERIFY PSI AVAILABLE ON SITE PRIOR TO SYSTEM INSTALLID

- 1. Refer to the specifications for installation details and descriptions, as well as, construction methods

- Refer to the spectifications for installation details and descriptions, as well as, construction methods which will be accepted.
   All work shall be in compliance with all local, state, and federal codes and ordinances.
   All electrical connections shall be made using 3m DBY splice kits.
   All control wiring downstream of the controller shall be single strand copper 14AWG UL approved for direct bury.
   All clamps shall be stainless steel worm gear type clamps. Pipes 1-1/2" or larger shall be double clamped.
- clamped.

  6. Pipe routing is schematic. All heads are to be field adjusted to within 2' to take into consideration
- any obstruction. Final head placements are subject to the landscape architects approval.

  All sprinkler heads shall be mounted on 2 elbow poly swing joints as specified.

  Contractor to verify final controller location with owner's authorized representative prior to large the contractor.

- installation.

  9. All pipe not sized downstream of control valve is 1".

  10. All sleeves shall be PVC 160# (see specifications).

  11. Irrigation contractor's point of connection to water source shall be as noted on this sheet. Locate and connect to indicated water source. All pipe installed above grade shall be copper type "M".

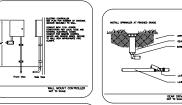
  12. 120v power to the controller locations should be provided owner. Coordinate with owner's representative. Hardwire controller directly to nearest circuit panel. Place all wires in conduit per
- code.

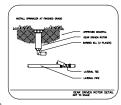
  13. Design pressure does not take into account seasonal supply fluctuations. Periods of drought may cause temporary pressure losses to the city water supply resulting in inadequate irrigation system performance. Irrigation design is based on normal weather conditions and typical municipal water
- supply abilities.

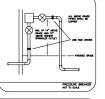
  14. Irrigation contractor shall be responsible for determining and maintaining the irrigation schedule during the project construction and throughout the length of the warranty period. The irrigation schedule shall deliver 1'of precipitation per week 4th artural rainfall quantities for turing grass.

  Landscape material shall recleve adjusted amounts of precipitation to maintain proper plant health 15. Landscape and turf grass shall be irrigated separately.

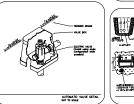
  16. Rotors and spray zones may not be combined to operate at the same time.



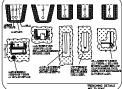


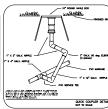


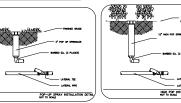
Gallons Per Minute

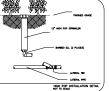


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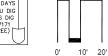














Checked By:

ALLEN DESIGN

557 CARPENTER . NORTHVILLE, MI 48167

248.467.4668 • Fax 248.349.0559 Email: jca@wideopenwest.com

Seal:

Irrigation Plan

Adams Marketplace

Grand Sakwa Properties 28470 Thirteen Mile Road, Suite 220

Issued:

August 18, 2006

October 20, 2006 January 31, 2007

Farmington Hills, Michigan 48334 248.855.5500

Retail Building A Rochester Hills, Michigan

Prepared for:

Revision:

Revised per City

Job Number:

Drawn Bv AJB

06-022

Site Plan

Project:

Liquid Assets, LLC

Irrigation Design & Water Management

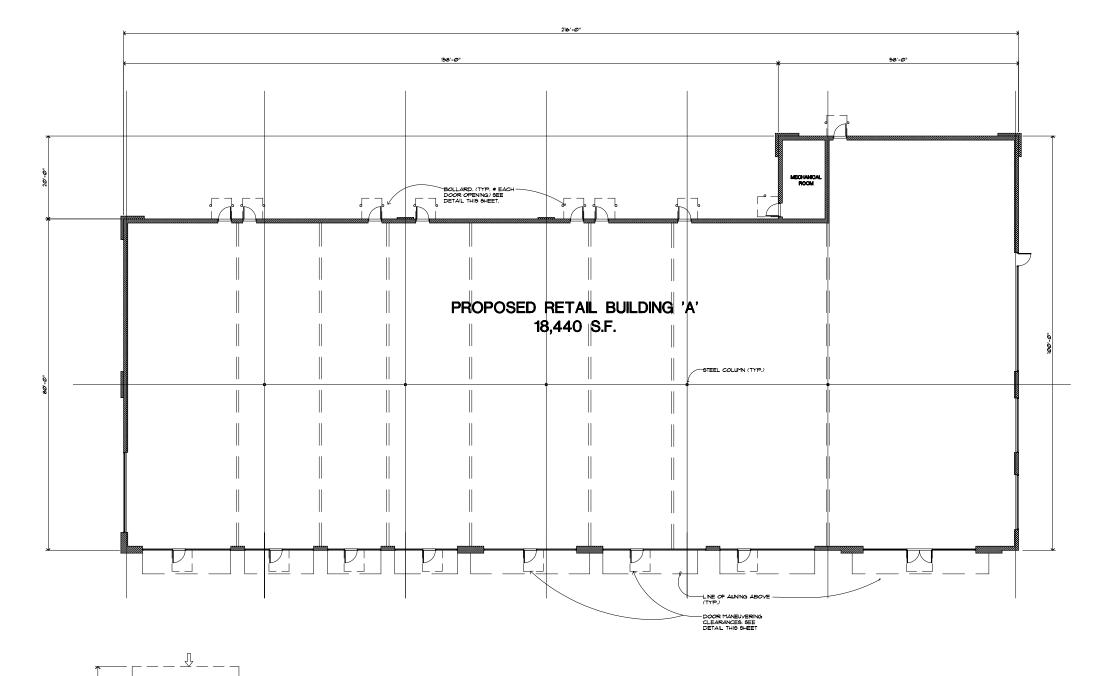
323 Princeton South Lyon, Michigan 48178 Tel. (877) 651-8700 Fax (248) 446-2074

Sheet No.

SP-3.5

Door Maneuvering Clearance Detail Scale: 1/2"=1'-0"

DOOR MANEUVERING CLEARANCES AND SLOPES SHALL COMPLY WITH ICC/ANSI AITT. 1999 SECTION 404



# NOTES

I. DETAILED FLOOR PLANS SHALL BE SUMITTED AT A LATER DATE WHEN SPECIFIC TENANTS ARE KNOWN.

2. AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED IN ALL BUILDINGS.

3. GROSS FLOOR AREA OF RESTAURANTS WILL NOT EXCEED 25% WITHIN THE PROPOSED STRUCTURE.

4. AT LEAST THREE CONTIGUOUS COMMERCIAL ESTABLISHMENTS WILL BE LOCATED WITHIN THE PROPOSED RETAIL BUILDING.



SCALE: 3/32"=1'-0"

NOT TO BE USED AS CONSTRUCTION DRAWINGS

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RESIDENT FOR THE STATE OF THE S

pro

Adams Marketplace



32500 TELEGRAPH ROAD SUITE 250 BINGHAM FARMS, MICHIGAN 48025-2404

PH 248.540.7700 FX 248.640.2 ARCHITECT86ROGVOY.COM

drawing:

FLOOR PLAN PHASE I

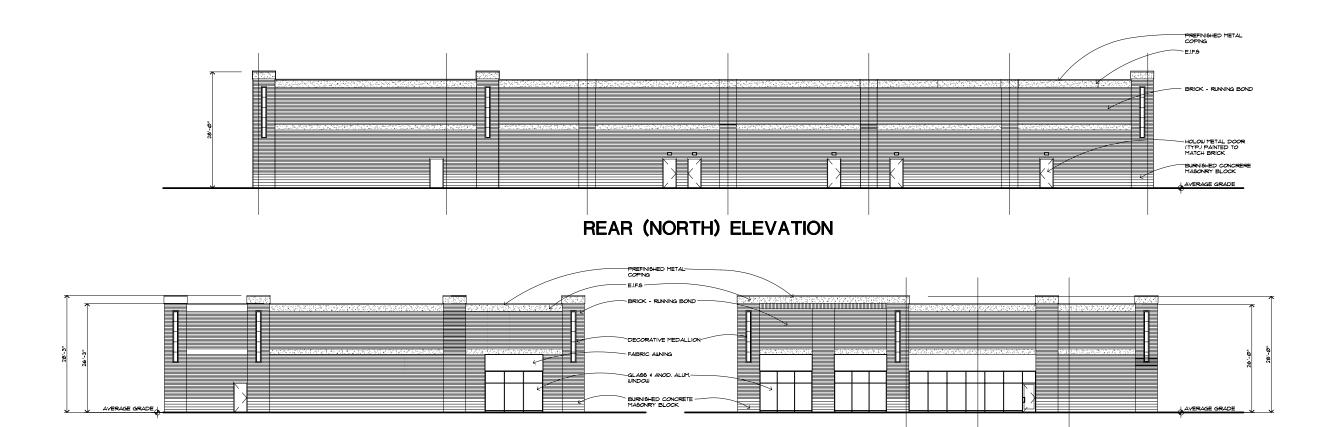
DO NOT SCALE DRAWING

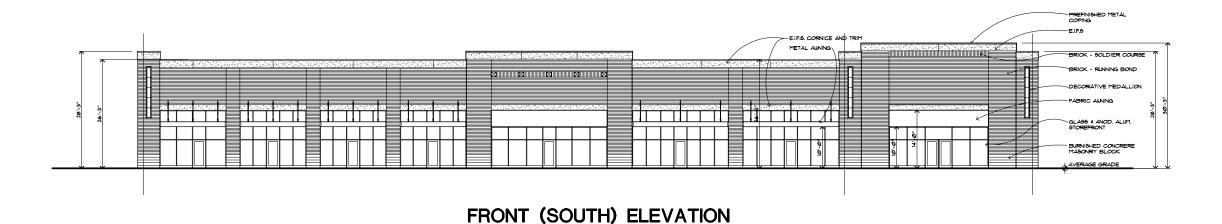
lesue date: 11 JULY 08 drawn: S.V. checked: M.D. approved: M.D.

file number: 02053

sheet:

SP-4.1





Exterior Materials							
Mark	Location	Mfgr.	Color / Model	Size / Finish			
METAL COPING	PARAPET	PAC-CLAD	SIERRA TAN				
BRICK	ALL ELEVATIONS	GRAND BLANC CEMENT	SED. BLEND	4" x 4" x 16" (NOM.)			
MASONRY BLOCK BASE	ALL ELEVATIONS AT THE BASE	GRAND BLANC CEMENT	"FAUN"	8" x 8" x 16" (NOM.)			
EIF6 1	CORNICE, GABLE TRIM	DRYVIT	913 AMARILLO WHITE	SANDBLAST FINISH			
STOREFRONT GLASS	STOREFRONT	VIROCON INC.		I" INLULATED GLAZING			
STOREFRONT FRAME	STOREFRONT	KAUNEER	CLEAR ANOD, ALUM,				
PAINT	HM. DOORS	SHERWIN WILLIAMS	*0001 "DECORDUS AMBER"				

SIDE (WEST) ELEVATION

GENERAL NOTES

SIDE (EAST) ELEVATION

I.) THE ALLOWABLE BUILDING HEIGHT AS STATED IN THE CONSENT JIDGEMENT IS 40 FEET PLI UP TO 5 FEET FOR PARAPET.

2.) ALL ROOFTOP UNIT SHALL BE SCREENED BY THE BUILDING PARAPET WALLS

3.) ALL GROUND SIGNS AND BUILDING MOUNTED SIGNS SHALL BE IN CONFORMANCE WITH THE CITY OF ROCHESTER HILLS REQUIREMENTS AND ARE NOT A PART OF THE SITE PLAN APPROVAL. SEPARATE SIGN PERMIT WILL BE OBTAINED PROM THE BUILDING DEPARTMENT.

4.) THE DIMENSIONED HEIGHT OF EACH BUILDING IS IN ACCORDANCE WITH THE DEFINITIONS OF "BUILDING HEIGHT" AND "AVERAGE GRADE" CONTAINED WITHIN THE ROCHESTER HILLS ZONING ORDINANCE.

5.) BRICK IS 4"xI6" AS MANUFACTURED BY GRAND BLANC CEMENT COMPANY.

# **BUILDING ELEVATIONS**

SCALE: 3/32"=1'-0"

9TE FLAN REVIEW IS AUG 66
REVISED 26 SEPT 66
STE FLAN REVIEW 25 SEPT 66
REVISED IS OCT. 66
STE FLAN REVIEW 20 OCT 66
FINAL SITE FLAN 22 FEB 61

Adams Marketplace
RETAL BULDNG 'A'
ROCHESTER HILS, MCHGAN



32500 TELEGRAPH RO/ SUITE 250 BINGHAM FARMS, MICHIS 48025-2404

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FLOOR PLAN PHASE I

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Issue date: 11 JULY 08 drawn: S.V. checked: M.D.

file number: 020

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STIESOL: CITY FILE NO. 08-0